## ABSTRACT OF THE DISCLOSURE

COMPOSITION BASED ON CERIUM OXIDE AND ON ZIRCONIUM
OXIDE HAVING A HIGH REDUCIBILITY AND HIGH SPECIFIC
SURFACE, METHODS FOR THE PREPARATION
THEREOF AND USE AS A CATALYST

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The inventive composition is based on cerium oxide and on zirconium oxide in an atomic proportion Ce/Zr of at least 1, and has a reducibility rate of at least 70 % 10 and a surface area of at least 15 m; 2; /g. This composition is obtained by a method in which: a mixture is made containing cerium and zirconium compounds; this mixture is provided with a basic compound whereby 15 obtaining a precipitate that is heated in an aqueous medium; a surfactant-type additive or a polyethylene glycol or a carboxylic acid is added to this medium or to the separated precipitate; the mixture is ground; the precipitate obtained thereof is calcined under inert gas or vacuum, in a first period of time, at a 20 temperature of at least 850 .iC and then under an oxidizing atmosphere, in a second period of time, at a temperature of at least 400 .°C.